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619-553-3001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ray H. Pettit  
Serial No: 09/785,624  
Filed: 16 February 2001  
Art Unit: ---  
Examiner: ---  
For: FREQUENCY SYNCHRONIZER

RECEIVED

APR 12 2001

*Preliminary Amendment*

Technology Center 2600

3 April 2001

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Entry of the amendment presented below is requested.

*In the Specification*

Please amend the Specification as follows:

*Please replace the paragraph at page 3, lines 1-12 with the following:*

A<sup>1</sup>  
An existing system for which better synchronizers are desirable is a special version of CPM known as dual-h, 4-ary, full-response. The meaning of these terms follows from the mathematical model of a signal having the specified CPM waveform,  $s(t)$ , given below.

$$s(t) = \sqrt{\frac{2E_s}{T}} e^{j\psi(t, \alpha)}$$

I hereby certify that this correspondence is being deposited with the U. S. Postal Service as first class mail in an envelope addressed to:  
Commissioner of Patents and Trademarks  
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